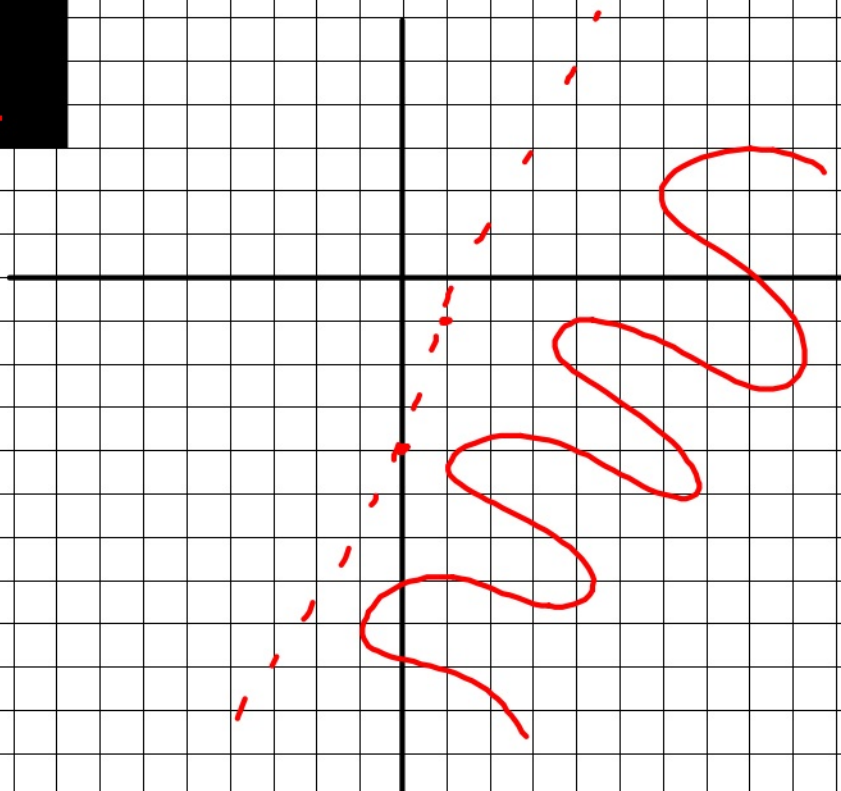


Warm-up

Graph

$$y < \underline{3x} - 4$$



## 8-8 Division Properties of Exponents

$$\frac{3^6}{3^2} = 81 = 3^4$$

$$\frac{5^6}{5^2} = 625 = 5^4$$

$$\frac{2^7}{2^{11}} = .0625$$

$$2^{-4} = \frac{1}{16}$$

$$\frac{x^{12}}{x^5} = x^7$$

$$\frac{b^n}{b^m} = b^{n-m}$$

$$\frac{a^{12}}{a^3} = a^9$$

$$\left( \frac{2x^3y^{12}}{5x^2y^4} \right)^3 = \frac{2^3 x^9 y^{36}}{5^3 x^6 y^{12}}$$

$$\frac{8x^3y^{24}}{125}$$

HW

pg 403 (1-18, 28-44E)